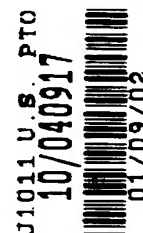


IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:)	
Mark KHESIN et al.)	
Serial No.: Not yet assigned)	Art Unit: Unassigned
Filed: January 9, 2002)	Examiner: Unassigned
)	



For: METHOD AND APPARATUS FOR MONITORING GASES IN
A COMBUSTION SYSTEM

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In accordance with 37 C.F.R. §§ 1.56, 1.97, and 1.98, Applicants respectfully request consideration of the references listed on the attached Form PTO/SB/08A. Copies of the references listed are also enclosed.

Applicants respectfully request that the Examiner consider the references cited on the PTO/SB/08A and that the Examiner indicate that the references have been considered in this application by returning a copy of the Form PTO/SB/08A with the Examiner's initials in the left column per MPEP 609.

This IDS is submitted prior to the issuance of a first Office Action on the merits; therefore, it is believed that no fees are required in connection therewith. If any fees are necessitated by the filing of this Information Disclosure Statement, please charge the

Respectfully submitted,

HUNTON & WILLIAMS

Date: 1.7.12



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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known

Application Number	Not yet assigned
Filing Date	January 9, 2002
First Named Inventor	Mark KHESIN et al.
Group Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	59589.000040

Sheet 1 of 2

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U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code (if known)			
	U1	5,756,059		Zamansky et al	05-26-1998	
	U2	3,936,648		Cormault et al.	02-03-1976	
	U3	1,039,844		MacDonald	08-02-1977	
	U4	4,101,403		Kita et al.	07-18-1978	
	U5	4,253,404		Leonard	03-03-1981	
	U6	4,260,363		Cratin, Jr.	04-07-1981	
	U7	4,296,727		Bryan	10-27-1981	
	U8	4,562,529		Drummond	12-31-1985	
	U9	4,639,717		De Meirsmen	01-27-1987	
	U10	6,277,268		Khesin et al.	08-21-2001	

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	P1	Khesin, M. J., Ivantotov, A. A., "Fluctuations of Flue Gas Oxygen as Indicator of Combustibles," Teploenergetika, 1978, 25 (5), 60-63	
	P2	Brochure for Miracle Sensor, MPV-2 Combustion Diagnostic System/CO Monitor, November 1997	
	P3	M.J. Khesin, et al., "Smart Flame Scanners--Myth or Reality?", American Power Conference, Chicago, Apr. 1995	
	P4	M.J. Khesin, "Combustion Diagnostics based on Frequency Spectra Analysis", American Flame Research Committee, Monterey, CA, Oct. 1995	
	P5	Forney Corporation, "OptiFlame Burner Diagnostic System", 1996 Month N/A	
	P6	M.J. Khesin, et al., "Demonstration of New Frequency-Based Flame Monitoring System", American Power Conference, Chicago, Apr. 1996	
	P7	M.J. Khesin, et al., "Application of a Flame Spectra Analyzer for Burner Balancing", Sixth International Joint ISA POWID/EPRI Controls and Instrumentation Conference, Baltimore, Jun., 1996	

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Complete if Known

Application Number	Not yet assigned
Filing Date	Herewith
First Named Inventor	Mark KHESIN et al.
Group Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	59589.000037?

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Examiner Initials *	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	P8	M.J. Khesin, et al., "Demonstration of New Flame Monitoring System at a Pilot-Scale Gas-Fired Combustion Test Facility", American Flame Research Committee, International Symposium, Baltimore, Md, Sep., 1996	
	P9	MK Engineering, Inc., "System may boost combustion efficiency", Industry Watch, Sep. 1996	
	P10	M.J. Khesin, et al., "Demonstration Tests of New Burner Diagnostic System on a 650 MW Coal-Fired Utility Boiler", presented at the American Power Conference, Chicago, Apr. 1997	
	P11	M.J. Khesin, et al., "Application of a New Burner Diagnostic System for Coal-Fired Utility Boilers", presented to the Joint ISA/EPRI Symposium, Jun., 1997, Knoxville, TN	
	P12	MK Engineering, Inc., "Combustion Diagnostic System", illustrated brochure distributed Jan., 1998	
	P13	MK Engineering, Inc., "Application of MPV-1 Combustion Diagnostic System--A Case Study, Application on a 650 MW Coal-Fired Unit" Jan., 1998	
	P14	MK Engineering, Inc., "MPV-1 Combustion Diagnostic System for Tangential Boilers", Jan., 1998	
	P15	MK Engineering, Inc., "MPV-1 Combustion Diagnostic System", distributed Feb., 1998	
	P16	"Algorithms convert chaos into efficiency", text as printed in Personal Engineering and Instrumentation, Apr., 1998	
	P17	M.J. Khesin et al., "Combustion Control--New Environmental Dimension"; pp. 1262-1266; Proceedings of the American Power Conference. (Date Unknown)	
	P18	M.J. Khesin et al., MPV Combustion Diagnostic and Optimization System; The Mega Symposium, EPRI-DOE-EPA Combined Utility Air Pollutant Control Symposium; Aug. 1999	
	P19	GE Brochure "MK Combustion Optimization System," 2001	
	P20	Panametrics, Inc. (brochure), In-situ oxygen analyzer FGA411, September 1999	
	P21	Nicholas Szabo et al., "Microporous zeolite modified yttria stabilized zirconia sensors for nitric oxide determination in harsh environments," The Ohio State University, 2001	
	P22	Eric Wachsman et al., "Selective detection of NOx by differential electrode equilibria", Solid State Ionic Devices II - Ceramic Sensors, Electrochem. Soc. Ed. 2000-32, 298-304 (2001)	

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